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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.		
09/832,631	04/11/2001	Robert K. Rowe	1023.1123101	1809		
28075 7	7590 07/13/2004		EXAM	EXAMINER		
CROMPTON	I, SEAGER & TUFTE	CURTIS, CRAIG				
1221 NICOLL	ET AVENUE					
SUITE 800			ART UNIT	PAPER NUMBER		
MINNEAPOLIS, MN 55403-2420			2872			

DATE MAILED: 07/13/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

		Application	n No.	Applicant(s)				
Office Action Summary		09/832,63	1	ROWE ET AL.				
		Examiner		Art Unit				
		Craig Curt		2872				
Period f	Th MAILING DATE of this communication Reply	ation appears on the	cov r she t with	n the correspondence addr	ss			
THE - Exte afte - If th - If NO - Fail Any	MAILING DATE OF THIS COMMUNICATION OF THIS C	ATION. 37 CFR 1.136(a). In no everication. days, a reply within the statutory period will apply and will, by statute, cause the apply.	ent, however, may a reputer, may a reputer minimum of thirty Il expire SIX (6) MONT ication to become ABA	ply be timely filed (30) days will be considered timely. 'HS from the mailing date of this comm NDONED (35 U.S.C. § 133).	nunication.			
Status								
1)🛛	Responsive to communication(s) filed	on 29 March 2004.						
2a)□								
3)□	Since this application is in condition fo	r allowance except	for formal matte	ers, prosecution as to the m	erits is			
•	closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.							
Disposit	tion of Claims							
5) 6) 7)	4) Claim(s) 1-62 is/are pending in the application. 4a) Of the above claim(s) 8,10,12,17,20-28,36,41,44-52 and 54-62 is/are withdrawn from consideration. 5) Claim(s) is/are allowed. 6) Claim(s) 1-7,9,11,13-16,18,19,29-35,37-40,42,43 and 53 is/are rejected. 7) Claim(s) is/are objected to. 8) Claim(s) are subject to restriction and/or election requirement.							
Applicat	tion Papers							
10)	The specification is objected to by the The drawing(s) filed on is/are: a Applicant may not request that any objecti Replacement drawing sheet(s) including the The oath or declaration is objected to be	a) accepted or b) on to the drawing(s) be ne correction is requir	e held in abeyand ed if the drawing(s	ce. See 37 CFR 1.85(a). s) is objected to. See 37 CFR				
Priority	under 35 U.S.C. § 119							
12)⊡ a	Acknowledgment is made of a claim for All b) Some * c) None of: 1. Certified copies of the priority do 2. Certified copies of the priority do 3. Copies of the certified copies of application from the Internations See the attached detailed Office action	ocuments have bee ocuments have bee the priority docume al Bureau (PCT Rul	n received. In received in Apents have been to e 17.2(a)).	oplication No received in this National St	age			
2) Noti 3) Info	nt(s) ice of References Cited (PTO-892) ice of Draftsperson's Patent Drawing Review (PTo rmation Disclosure Statement(s) (PTO-1449 or P er No(s)/Mail Date <u>8 January 2002</u> .		Paper No(s	ummary (PTO-413))/Mail Date formal Patent Application (PTO-1)	52)			

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DETAILED ACTION

Disposition of the Instant Application

- This Office action is responsive to Applicants' Remarks filed on 29 March 2004, which have been made of record in the file.
- Applicants did not amend the claims in said Remarks filed on 29 March 2004.
- Claims 1-62 are currently pending in the instant application, claims 8, 10, 12, 17, 20-28, 36, 41, 44-52, and 54-62 having previously been withdrawn from further consideration by the examiner as being drawn to non-elected inventions. Accordingly, claims 1-7, 9, 11, 13-16, 18, 19, 29-35, 37-40, 42, 43, and 53 alone will be examined as to their merits.

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

- (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.
- 1. Claims 1-7, 9, 11, 13-16, 18, 19, 29-35, 37-40, 42, 43, and 53 are rejected under 35 U.S.C. 103(a) as being unpatentable over Dewey Jr. (3,950,101) in view of Stafford (5,504,575) and Kumar (US 2003/0034281 A1) and Jorgenson et al. (5,835,645).

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Dewey Jr. discloses the instant invention as claimed--a spectrometer system for performing spectroscopic determination on biological media, the spectrometer system comprising:

a light source for generating light (See 11 in Fig. 5);

an optical filter (14 or 114) positioned to receive light from said light source, the filter having a plurality (two or more) of bandpass regions (viz., 15, 17);

a sampler (viz., 40, 42; 45, 41) for transmitting the light into the sample and for receiving the non-absorbed light from the sample (see Fig. 5);

a detector (See 26 in Fig. 5) for receiving said non-absorbed light and for generating an electric signal indicative of the non-absorbed light,

wherein said spectrometer system has a signal-to-noise ratio (inherent), and wherein said optical filter is disposed adjacent said light source (See Fig. 5)--EXCEPT FOR explicit teachings of the following claimed limitations:

wherein said spectrometer system comprises an optical encoding unit positioned for encoding selected frequencies of light passing through the optical filter;

wherein said spectometer system further comprises an optical integrating chamber wherein light reflected from the optical filter is substantially directed into the chamber and then reflected back to said optical filter, wherein said integrating chamber allows direct illumination of the filter from the light source; and

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wherein said integrating chamber is an orthogonal design to preserve angular qualities of the

light entering said integrating chamber.

Stafford, however, provides a teaching of an optical encoding unit (see SLM 90 in, e.g., Fig.

3) positioned for encoding selected frequencies of light passing through the optical filter (id.); Kumar

discloses a spectrometer system in which complex integrating sphere systems may be employed (see ¶

[0063] on p. 6); and Jorgenson et al. disclose a spectophotometer (read: spectrometer) system in

which filters corresponding to those recited in the instant invention are used (see, e.g., col. 7, ll. 52-

61).

It would have been obvious to one having ordinary skill in the art at the time the invention was

made to have modified the invention of Dewey Jr. such that its spectrometer system further comprise

the above-detailed elements, as respectively taught by Stafford, Kumar, and Jorgenson et al., for at

least the purpose of optimizing the performance of said spectrometer system.

Response to Arguments

2. Applicants' arguments with respect to the claims, filed on 29 March 2004, have been fully

considered but have been rendered moot in view of the new ground(s) of rejection.

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Contact Information

3. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Craig Curtis, whose telephone number is (571) 272-2311. The centralized facsimile phone number for the USPTO is (703) 872-9306.

Any inquiry of a general nature regarding to status of this application should be directed to the Group receptionist, whose telephone number is (703) 308-0956.

Craig H. Curtis Group Art Unit 2872 8 July 2004 Audrey Chang Primary Examiner Technology Center 2800